

**Gelsolin (isoform a) Antibody (N-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3742a

**Specification**

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**Gelsolin (isoform a) Antibody (N-Term) - Product Information**

Application	WB
Primary Accession	<a href="#">P06396</a>
Other Accession	<a href="#">NP_000168.1</a> , <a href="#">NP_937895.1</a> , <a href="#">NP_001121138.1</a> , <a href="#">2934</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	85698

**Gelsolin (isoform a) Antibody (N-Term) - Additional Information**

**Gene ID** 2934

**Other Names**

Gelsolin, AGEL, Actin-depolymerizing factor, ADF, Brevin, GSN

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Gelsolin (isoform a) Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Gelsolin (isoform a) Antibody (N-Term) - Protein Information**

**Name** GSN

**Function**

Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed (PubMed: [19666512](http://www.uniprot.org/citations/19666512)). Plays a role in ciliogenesis (PubMed: [20393563](http://www.uniprot.org/citations/20393563)).

**Cellular Location**

[Isoform 2]: Cytoplasm, cytoskeleton.

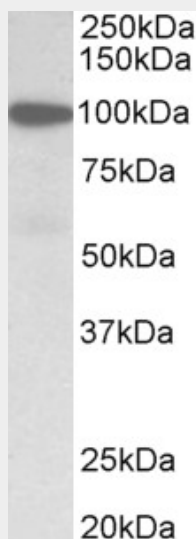
**Tissue Location**

Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells

**Gelsolin (isoform a) Antibody (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Gelsolin (isoform a) Antibody (N-Term) - Images**

AF3742a (1 µg/ml) staining of Human Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Gelsolin (isoform a) Antibody (N-Term) - Background**

This antibody is expected to recognize isoform a (NP\_000168.1) only . Reported variants represent identical protein: NP\_001121138.1, NP\_001121139.1 Reported variants represent identical protein: NP\_001121135.1, NP\_937895.1, NP\_001121134.1, NP\_001121137.1,

**Gelsolin (isoform a) Antibody (N-Term) - References**

Gelsolin negatively regulates the activity of tumor suppressor p53 through their physical interaction in hepatocarcinoma HepG2 cells. An JH, Kim JW, Jang SM, Kim CH, Kang EJ, Choi KH. Biochem Biophys Res Commun. 2011 Aug 19;412(1):44-9. PMID: 21801713